

LISTING OF THE CLAIMS

1. (Currently Amended) A liquid crystal display device comprising:
 - a substrate;
 - a thin film transistor on the substrate;
 - a pixel electrode on the substrate, the pixel electrode ~~including a zigzag pattern~~ having a first plurality of protrusions and a first plurality of indentations, wherein each of the first plurality of protrusions includes a first flat zone and first edges at opposite sides of the first flat zone; and
 - a common electrode on the substrate, the common electrode having ~~the same shape as the pixel electrode~~ a second plurality of protrusions and a second plurality of indentations, wherein each of the second plurality of protrusions includes a second flat zone and second edges at opposite sides of the second flat zone, wherein a horizontal distance is substantially perpendicular to the length of the pixel electrode and wherein a first horizontal distance between ~~opposing facing each of the first edges of protrusions of the pixel electrode and common electrode and each of the second edges~~ is less than a second horizontal distance between ~~an inner facing edge of an inner~~ each of the second plurality of indentations of the common electrode and an inner each of the first plurality of protrusions of the pixel electrode.
2. (Original) The device of claim 1, wherein at least one of the pixel and common electrodes includes a material selected from a group consisting of chromium (Cr), aluminum (Al), aluminum alloy (Al alloy), molybdenum (Mo), tantalum (Ta), tungsten (W), antimony (Sb), an alloy thereof, indium zinc oxide (IZO), and indium tin oxide (ITO).
3. (Currently Amended) The device of claim 1, wherein the first and second plurality of protrusion and indentation have a substantially rectangular shape.
4. (Original) The device of claim 1, further comprising an alignment layer on the pixel and

common electrodes.

5. (Original) The device of claim 4, wherein the alignment layer is selected from a group consisting of polyamic acid and polyimide.

6. (Currently Amended) A liquid crystal display device comprising:
a first substrate including a switching device;
a second substrate including a color filter;
a liquid crystal layer between the first and second substrates; and
first and second electrodes on the first substrate, ~~each of the first and second electrodes having a zigzag pattern having plurality of protrusions and indentations wherein the first electrode has a first plurality of protrusions and a first plurality of indentations, wherein each of the first plurality of protrusions includes a first flat zone and first edges at opposite sides of the first flat zone, wherein each of the second plurality of protrusions includes a second flat zone and second edges at opposite sides of the second flat zone, and wherein a horizontal distance is substantially perpendicular to the length of the first pixel electrode and wherein a first horizontal distance between opposing inner facing each of the first edges of protrusions of the first and second electrodes and each of the second edges is less than a second horizontal distance between an inner facing edge of an inner each of the second plurality of indentations of the common electrode and an inner each of the first plurality of protrusions of the second electrode.~~

7. (Original) The device of claim 6, wherein the second electrode has substantially the same shape as the first electrode.

8. (Original) The device of claim 6, wherein at least one of the first and second electrodes includes a material selected from a group consisting of chromium (Cr), aluminum (Al), aluminum alloy (Al alloy), molybdenum (Mo), tantalum (Ta), tungsten (W), antimony (Sb), an alloy thereof, indium zinc oxide (IZO), and indium tin oxide (ITO).

9. (Original) The device of claim 6, further comprising a first alignment layer on the first substrate.
10. (Original) The device of claim 9, wherein the first alignment layer is selected from a group consisting of polyamic acid and polyimide.
11. (Original) The device of claim 6, further comprising a second alignment layer on the second substrate.
12. (Original) The device of claim 11, where in the second alignment layer is selected from a group consisting of polyamic acid and polyimide.
13. (Currently Amended) A liquid crystal display device comprising:
 - a substrate;
 - a thin film transistor on the substrate;
 - a first electrode on the substrate, the first electrode ~~including a first plurality of alternating a first plurality of indentations and a second plurality of protrusions, wherein each of the first plurality of protrusions includes a first flat zone and first edges at opposite sides of the first flat zone;~~ and
 - a second electrode on the substrate, spaced apart from the first electrode and ~~including a second plurality of alternating a second plurality of indentations and a second plurality of protrusions, wherein each of the second plurality of protrusions includes a second flat zone and second edges at opposite sides of the second flat zone,~~ wherein a horizontal distance is substantially perpendicular to the length of the ~~first pixel~~ electrode, wherein a horizontal distance between ~~an apex of an inner protrusion of the second plurality of indentations and protrusions each of the first edges and each of the second edges~~ is less than a horizontal distance between ~~an apex of an inner protrusions of a first plurality of indentations and protrusions and bottom of an~~

Amendment Response dated April 17, 2008
Response to Office Action dated January 22, 2008

inner indentation of the second plurality of indentations and protrusions each of the second plurality of indentations and each of the first plurality of protrusions, and wherein a side portion between each of the first edge and a bottom of each of the first plurality of indentations is inclined.

14. (Original) The liquid crystal display device of claim 13, wherein the first electrode and the second electrode have substantially the same shape.

15. (Canceled)

16. (Currently Amended) A liquid crystal display device comprising:
a first substrate including a switching device;
a second substrate including a color filter;
a liquid crystal layer between the first and second substrates; and
first and second electrodes on the first substrate, each of the first and second electrodes having an alternating pattern having a plurality of protrusions and indentations, wherein the first electrode including a first plurality of alternates a first plurality of indentations with a first plurality of protrusions, wherein each of the first plurality of protrusions includes a first flat zone and first edges at opposite sides of the first flat zone, wherein a second electrode alternates a second plurality of indentations with a second plurality of protrusions, wherein each of the second plurality of protrusions includes a second flat zone and second edges at opposite sides of the second flat zone, wherein a horizontal distance is substantially perpendicular to the length of the first pixel electrode, and wherein the first and second plurality of protrusions and indentations include first and second inner indentations and protrusions, respectively, such that the first inner indentations and protrusions are opposite to on a side of one of the first and second electrodes having the second inner indentations and protrusions adjacent to the other of the second and first electrodes such that a horizontal distance between an apex of an inner protrusion of the first electrode and an apex of an inner protrusion of the second electrode each of the first

~~edges and each of the second edges is less than a horizontal distance between an apex of an inner protrusion of one of the first and second electrodes and a bottom of an inner indentation of the other of the second and first indentations and protrusions each of the second plurality of indentations and each of the first plurality of protrusions, and wherein a side portion between each of the first edge and a bottom of each of the first plurality of indentations is perpendicular to the first electrode.~~

17. (Currently Amended) The liquid crystal display device of claim 16, wherein the first and second electrodes alternating pattern forms a zigzag pattern, respectively.

18. (Original) The device of claim 16, wherein the second electrode has substantially the same shape as the first electrode.

19. (Original) The device of claim 16, wherein at least one of the first and second electrodes includes a material selected from a group consisting of chromium (Cr), aluminum (Al), aluminum alloy (Al alloy), molybdenum (Mo), tantalum (Ta), tungsten (W), antimony (Sb), an alloy thereof, indium zinc oxide (IZO), and indium tin oxide (ITO).

20. (Original) The device of claim 16, further comprising a first alignment layer on the first substrate.

21. (Original) The device of claim 20, wherein the first alignment layer is selected from a group consisting of polyamic acid and polyimide.

22. (Original) The device of claim 16, further comprising a second alignment layer on the second substrate.

23. (Original) The device of claim 22, wherein the second alignment layer is selected from a

group consisting of polyamic acid and polyimide.

24. (Original) The device of claim 13, wherein at least one of the first and second electrodes includes a material selected from a group consisting of chromium (Cr), aluminum (Al), aluminum alloy (Al alloy), molybdenum (Mo), tantalum (Ta), tungsten (W), antimony (Sb), an alloy thereof, indium zinc oxide (IZO), and indium tin oxide (ITO).

25. (Original) The device of claim 13, wherein the protrusion and indentations have a substantially rectangular shape.

26. (Original) The device of claim 13, further comprising an alignment layer on the first and second electrodes.

27. (Original) The device of claim 26, wherein the alignment layer is selected from a group consisting of polyamic acid and polyimide.

28. (Currently Amended) The device of claim 1, wherein the first and second plurality of indentations and protrusions have a substantially trapezoidal shape.

29. (Currently Amended) The device of claim 6, where the first and second plurality of indentations and protrusions have a substantially trapezoidal shape.

30. (Currently Amended) The device of claim 13, wherein the first and second plurality of indentations and protrusions have a substantially trapezoidal shape.

31. (Currently Amended) The device of claim 16, wherein the first and second indentations and protrusions have a substantially trapezoidal shape.

32-36. (Canceled)

37. (Currently Amended) The device of claim 13, wherein the first and second plurality of indentations and protrusions have a substantially rectangular shape.

38. (Currently Amended) The device of claim 16, wherein the first and second plurality of indentations and protrusions have a substantially rectangular shape.